Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	07/13/2016 03:00 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/06/2016 09:46 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123884	-1	2.93	123828	2.89
Blue	F	SSC	125000	123415	-2	5.33	123985	5.32
Blue	E	FITC	21137	20658	-3	3.59	915	10.11
Blue	D	PE	25913	25005	-4	3.24	893	9.50
Blue	B	PerCP-Cy5-5	46728	46071	-2	4.22	1323	15.87
Blue	A	PE-Cy7	40457	39739	-2	5.72	609	32.56
Red	C	APC	50567	49951	-2	2.78	2882	9.20
Red	A	APC-Cy7	52095	50229	-4	2.88	1037	11.08
Violet	B	V450	13425	12839	-5	3.40	621	8.68
Violet	A	V500	55630	53795	-4	3.14	2397	6.14

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19104	4.45	600	2	N/A	N/A	Pass
Blue	F	SSC	61233	4.01	522	4	N/A	N/A	Pass
Blue	E	FITC	104	37.07	524	-1	0.0233	149	Pass
Blue	D	PE	195	26.69	518	-1	0.1803	193	Pass
Blue	B	PerCP-Cy5-5	206	41.96	613	0	0.0120	109	Pass
Blue	A	PE-Cy7	68	106.30	664	0	0.0145	14	Pass
Red	C	APC	336	26.13	586	-5	0.0215	18	Pass
Red	A	APC-Cy7	112	38.94	565	-6	0.0057	1274	Pass
Violet	B	V450	75	41.45	460	-3	0.0462	1832	Pass
Violet	A	V500	174	24.02	492	-2	0.0140	707	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.40	-31.10	0.81
Blue	20.34	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.30
Red	15.92	13.28 - 19.92	N/A	N/A	31.67	31.87	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9747

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments